



## EN1721 - Integrated temperature and humidity transmitter

The Inovonics EN1721 features an onboard temperature and humidity sensor and is designed for indoor use in moderate temperatures.

### Why Inovonics Wireless is Best

The Inovonics Commercial Mesh Network has been specifically developed for commercial applications to provide the most cost-effective solution for a wide range of applications, while setting new standards for performance and reliability in a wireless sensor network.

#### Reliability

Inovonics EchoStream 900MHz radio utilizes a unique frequency hopping, spread spectrum technology to meet the demands of an increasingly cluttered wireless world.

#### Flexibility

The flexibility of wireless is a necessity in today's dynamic commercial environments. The self-configuring EchoStream Commercial Mesh Network allows you to adapt to changing floor plans and requirements in a matter of minutes. New sensors can be added to the network as fast as they can be mounted.

#### Scalability

The EchoStream Commercial Mesh Network's backbone of intelligent repeaters can extend coverage to thousands of sensors across entire commercial campuses.

## EN1721 Specifications

### Sensor Measurement:

- Temperature
  - Units: Fahrenheit or Celsius
  - Range: -4° to 140°F
  - Typical resolution: 0.018°F
  - Typical accuracy:  $\pm 0.5^\circ\text{F}$  at 77°F
- Humidity
  - Range: 0 to 90%RH
  - Resolution: 0.03%RH
  - Typical accuracy:  $\pm 2.0\%$ RH from 10% to 90%RH

### Transmitter Configuration Options:

- Measurement intervals of 0.5, 1, 5, or 30 seconds, 1, 5, or 15 minutes, or only on transmit
- Transmission intervals of 10 or 30 seconds, 1, 2, 5, 10, 15 or 30 minutes
- Delta T value of 0.5, 1, 5, or 10 degrees or % humidity. Delta T can be disabled.

### Transmitter Battery:

- 3.0V lithium, 1.4Ah (BAT604)
- Typical 8 year battery life at five minute transmission intervals

### Transmitter Physical Characteristics:

- Dimensions: 3.5x1.7x0.9"

### Transmitter Operating Environment:

- -4° to 140°F
- Up to 90% humidity non-condensing

### System requirements:

- Requires use of the EN4000 serial receiver and an application designed to support advanced functionality